Dana LeBlanc, MD, MS
Curriculum Vitae

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Education

2012-2015	Pediatric Hematology Oncology Fellow, LSUHSC/Children's Hospital New Orleans, LA
2009-2012	Pediatrics Resident, LSUHSC Pediatrics, Children's Hospital of New Orleans, LA
2005-2009	Doctor of Medicine, Louisiana State University School of Medicine, New Orleans, LA
2002-2005	Master of Science, Department of Microbiology, Immunology, and Parasitology, Louisiana State University Health Sciences Center, New Orleans, LA
1998-2002	Cum Laude, Bachelor of Arts in Scientific Inquiry, Louisiana Scholars' College, Natchitoches, LA

Employment

July 2015-present Assistant Professor, Department of Pediatrics, Division of Hematology Oncology, LSU Health Sciences Center
c/o Children's Hospital, New Orleans, LA

Licensure

July 2012	Licensed in Louisiana
Oct 2014	Pediatrics Board Certified
July 2015	Pediatric Hematology Oncology Board Eligible

Basic Science Research

1. **Recruitment of Frontocortical MAPK Signaling in Sickle Cell Disease Pain.** 2013-present. Using a transgenic murine model of sickle cell disease to investigate the neurobiological mechanisms of pain in sickle cell disease.
   LSU Health Sciences Center, Department of Physiology, Alcohol and Drug Abuse Center of Excellence.
   Research Mentor: Scott Edwards, PhD

2. **The Role of Dendritic Cells in Vaginal Candidiasis.** Master Degree Thesis. LSU Health Sciences Center; New Orleans, LA, 2005.
   Research Mentor: Paul Fidel, PhD
3. **Adhesion of *Candida albicans* to Lung Epithelial and Brain Endothelial Cell Lines and the Development of an *In Vitro* Blood Brain Barrier Model**. Undergraduate Thesis. Louisiana Scholars' College; Natchitoches, LA, 2002.
   Research Mentor: Kent Buchannan, PhD

Clinical Research Projects

1. **Pain Management in Sickle Cell Vasoocclusive Crisis: A Study of Physician Practices, Treatment Efficacy and Patient Satisfaction.** Multimodal study consisting of resident education, patient and physician surveys, and chart reviews to determine the efficacy of optimized pain management during a sickle cell vasoocclusive crisis.
   Research Mentors: Maria C. Velez, MD, Renee Gardner, MD
2. **Survey of Pain Frequency, Affective Mood Disorder and Concomitant Drug and Alcohol Use in Adolescent and Young Adult Sickle Cell Disease Patients.** Clinical survey to investigate the relationship of sickle cell pain, affective mood disorders and drug and alcohol use as coping mechanisms in the adolescent and young adult sickle cell patient population.
   Research Mentor: Scott Edwards, PhD
3. **The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line.** Chart review to assess the rate of bacteremia detected by peripheral blood culture only. The results will guide our clinical practice by determining the necessity of peripheral blood cultures as an adjunct to central line blood cultures in the evaluation of febrile oncology/HSCT patients.
   Research Mentor: Lolie Yu, MD
4. **Identification of Patients at Risk and Implementation of Venous Thromboembolism Prophylaxis in a Pediatric Hospital.** Development of VTE patient risk screening method during inpatient nursing assessment. Development of physician guidelines for management of patients identified to be at risk for VTE.

Research Support

Oct 2014-Dec 2015 Role: Principle Investigator
LSU Pediatrics Intramural Clinical and Translational Grant Program

Neuronal ERK/MAPK Signaling in a Mouse Model of Sickle Cell Disease Pain
Co-Investigator: Scott Edwards, PhD
Awards amount: $25,000

Publications and Abstracts

Peer Reviewed

1. D. LeBlanc, N. Bartel, C. Velasco-Gonzales, L. Yu. **The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line.** (submitted for publication)
2. DM LeBlanc, MA McGinn, CA Itoga, S Edwards. **The Affective Dimension of Pain as a Risk Factor for Drug and Alcohol Addiction**. *Alcohol.* Accepted for publication, February 2015
3. AF Saltzman, JRR Gills, DM LeBlanc, MC Velez, RD Craver, CC Roth. **Multimodal Management of a Pediatric Yolk Sac Tumor**. *Urology* 85: 1186-1189, 2015.
4. L Kashyap, A Alsaheel, M Ranck, D LeBlanc, R Gardner, J Maynard, SA Chalew. **Sickle Cell Disease is Associated with Elevated Levels of Skin Advanced Glycation Endproducts**. *Submitted for publication*
5. LeBlanc DM, Barousse MM, Fidel Jr, PL. **Role for dendritic cells in immunoregulation during experimental vaginal candidiasis**. *Infection and Immunity.* 2006 Jun; 74(6): 3213-21.

Manuscripts in Progress

1. D LeBlanc, M Fletcher, P Prasad, L Simon, D Nuss, L Seybolt, MC Velez. **Successful Management of Invasive Fungal Sinusitis in a Pediatric Leukemia Patient with Profound Neutropenia.**
2. D LeBlanc, MC Velez, R Gardner. **Pain Management in Sickle Cell Vasoocclusive Crisis: A Study of Physician Practices, Treatment Efficacy and Patient Satisfaction.**

Abstracts/Posters

1. D LeBlanc, M Velez, R Gardner. **Optimization of Pain Management Strategies in Children with Sickle Cell Disease and Vaso-occlusive Crises.** American Society of Pediatric Hematology Oncology General Meeting; Phoenix, AZ, May 2015.
2. L Kashyup, D LeBlanc, A Alsaheel, R Gardner, J Maynard, SA Chalew. **Sickle Cell Disease is Associated with Elevated Levels of Advanced Glycation Endproducts (AGEs)**. Abstract/Poster Presentation. Pediatric Academic Societies Annual Meeting; San Diego, CA, April 2015.

2. D LeBlanc, N Bartel, C Velasco-Gonzales, L Yu. **The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line.** Abstract/Poster Presentation. American Society of Pediatric Hematology Oncology General Meeting; Chicago, IL, May 2014.
3. D LeBlanc, N Bartel, C Velasco-Gonzales, L Yu. **The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line.** Abstract/Poster Presentation. LSUHSC EQuIP Forum, May 2014.
4. D LeBlanc, N Bartel, C Velasco-Gonzales, L Yu. **The Utility of Peripheral Blood Cultures in Febrile Pediatric Oncology Patients with a Central Line.** Abstract/Poster Presentation. LSUHSC/Children's Hospital Department of Pediatrics Research Day, May 2014.
5. D LeBlanc, M Fletcher, P Prasad, L Simon, D Nuss, L Seybolt, MC Velez. **Successful Management of Invasive Fungal Sinusitis in a Pediatric Leukemia Patient with Profound Neutropenia.** Abstract. Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA, February 2014.
6. LeBlanc DM and Fidel Jr. PL. **An Immunoregulatory Role for Dendritic Cells in Vaginal Candidiasis**. Abstract/Poster Presentation. American Society of Microbiology General Meeting; Atlanta, GA, 2005.

Invited Oral Presentations

1. **The Affective Dimension of Pain in Sickle Cell Disease.** St. Jude Children's Research Hospital, Department of Hematology; Memphis, TN, March 2015.
2. **Role of Hematopoietic Stem Cell Transplant in the Management of X-linked Lymphoproliferative Disease.** JMC-Louisiana Primary Immunodeficiency Network Forum and Symposium, Regional Meeting; New Orleans, LA, November 2014. **First Place Award**
3. **Successful Management of Invasive Fungal Sinusitis in a Pediatric Leukemia Patient with Profound Neutropenia.** Southern Society for Pediatric Research, Regional Meeting; New Orleans, LA, February 2014. **First Place Award**
4. **A QI Project to Improve Pain Management in Sickle Cell. Vaso-Occlusive Crisis.** LSUHSC EQUIP Forum Presentation; New Orleans, LA, May 2013.
5. **Clinical Presentation and Management of Sickle Cell Disease**. LSUHSC Pediatric Intern Lecture Series, September 2014.
6. **Sickle Cell Disease**. LSUHSC Resident Educational Lecture Series, May 2014

7. **Pain Management in Sickle Cell Disease**. LSUHSC Pediatric Intern Lecture Series, May 2014.
8. **An Immunoregulatory Role for Dendritic Cells in Vaginal Candidiasis.** LSUHSC School of Graduate Studies Research Day, New Orleans, LA, July 2005.
9. **Hemophagocytic Lymphohistiocytosis.** LSUHSC Resident Case Conference, January 2010.
10. **Pediatric Palliative Care**. LSUHSC Resident Quality Improvement Project, June 2012.

Honors

Nov 2014 **First Place Award** – Oral Presentation; JMC-Louisiana Primary Immunodeficiency Network Forum and Symposium, Regional Meeting; New Orleans, LA

Feb 2014 **First Place Award** – Oral Presentation; Southern Society for Clinical Investigation/Southern Society of Pediatric Research - Pediatric Clinical Case Symposium; New Orleans, LA

Oct 2014 Hemophagocytosis Lymphohistiocytosis Annual Conference;
Cincinnati, OH. Invited to participate

Dec 2012 Hemostasis and Thrombosis Research Society Training Workshop,; Atlanta, GA. Invited to participate

Other Experience and Professional Memberships

2009- American Academy of Pediatrics
2012- Children's Oncology Group
2012- Hemostasis and Thrombosis Research Society
2013- American Society of Pediatric Hematology Oncology
2013- American Society of Hematology
2014- Southern Society for Clinical Investigation
2014- American Society of Clinical Oncology

Department, University and Hospital Services

2012- LSUHSC/Children's Hospital Cancer Committee
2013 Patient Needs Assessment sub-committee
2014-2015 Accreditation Council for Graduate Medical Education
LSUHSC Sub-
Committee Member
2014- Physician Lead
Venous Thromboembolism Prevention Team
Hospital Acquired Condition Sub-Committee
Children's Hospital New Orleans
2014-2015 Chief Fellow, LSUHSC Pediatric Hematology Oncology
2015- Hematology Oncology Consultant

Pediatric Early Warning Signs (PEWS) Score Committee
Children's Hospital New Orleans